

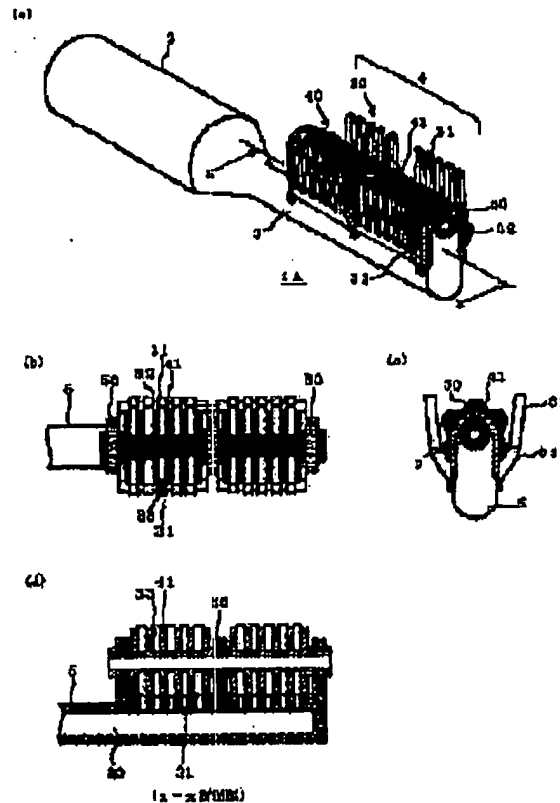
BRUSH FOR APPLICATION OF HAIR DYE

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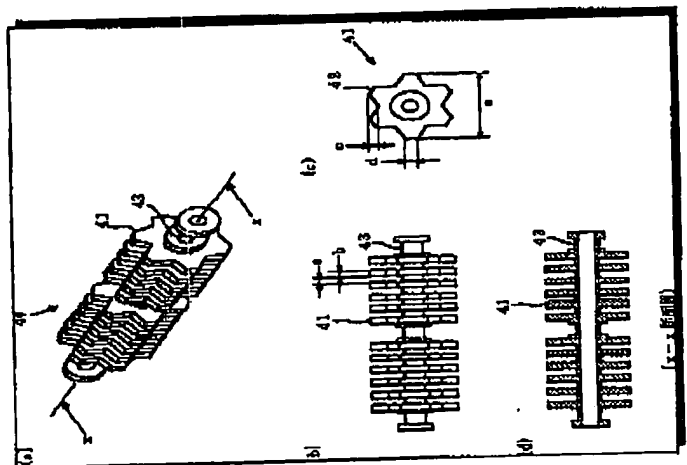
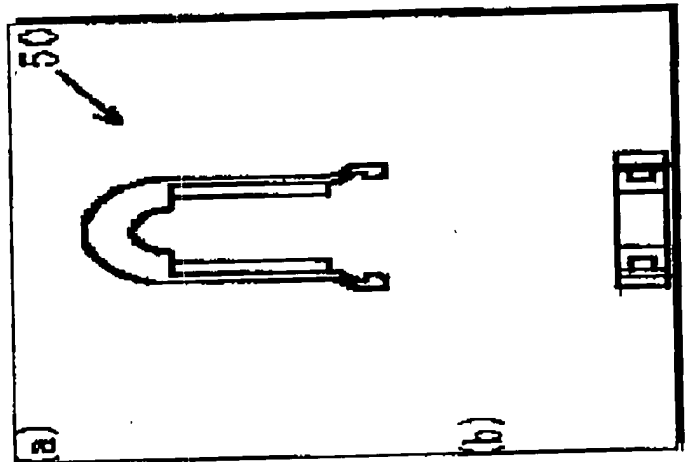
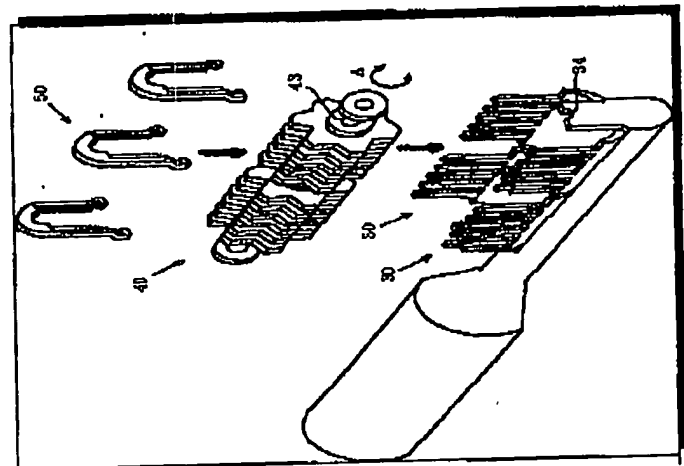
Abstract of JP:002345543

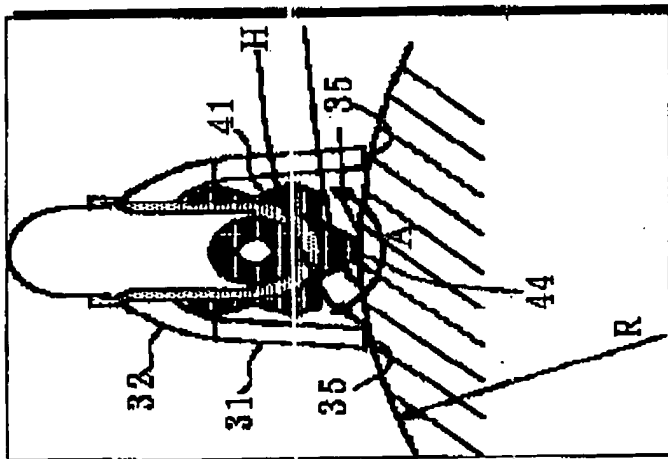
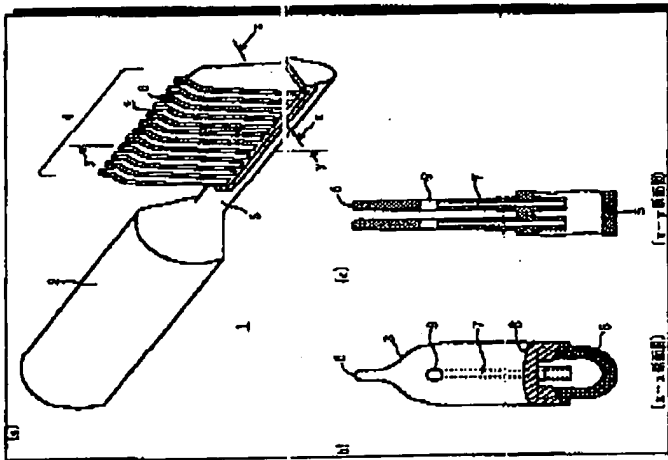
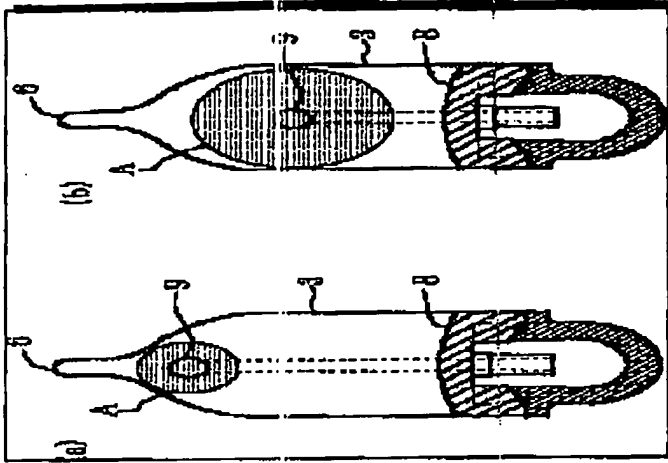
PROBLEM TO BE SOLVED: To dye the root of hair and the overall hair by a simple operation, reduce the adhesion of a hair dye to the scalp, and improve the comb-passing feeling.

SOLUTION: This brush 1A for the application of the hair dye comprises a brush section 4, a container 2 housing the hair dye, and a connecting section 5. In this case, the connecting section 5 is located between the brush section 4 and the container 2, has a liquid guiding channel 20 communicating with the inside of the container 2 inside, and discharging ports 21 for the hair dye are provided in a line on the brush section 4 side. The brush section 4 comprises external comb tooth sections 30 and a plurality of plate-form rotating comb teeth 41. In this case, the external comb tooth section 30 comprises a plurality of external comb teeth 31 which are provided in a manner to be confronted with each other, on both sides of the line of the discharging ports 21 for the hair dye. The comb teeth 41 are rotatably held in a space between the confronted external comb tooth sections 30.



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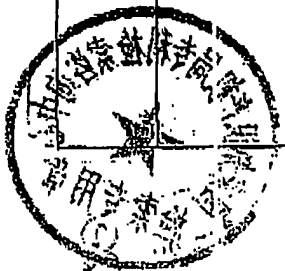
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MULTIFUNCTIONAL POWER-DRIVEN HAIR COLORING COMB

TECHNICAL FIELD

This utility model relates to hair coloring tools.

BACKGROUND

At present, hair coloring is very popular and indispensable in the field of beauty treatment and cosmetology. However, manual operations are generally employed in existing beauty treatment and hair cutting stores. It is inconvenient to coat hair with hair coloring gel by brushes, and dirty leak pollution may occur. Devices for applying mousse or hair coloring gel on hair directly are disclosed in Chinese patents ZL95240554 and ZL96231681, but they have unreasonable mechanisms, and the mechanisms are not driven by power, so they are also inconvenient.

SUMMARY

The object of the present utility model is to provide a multi functional power-driven hair coloring comb, which has reasonable structure and is convenient in use, the above object is realized by providing the following technical solution:

A multifunctional power driven hair coloring comb, comprising a motor (1), a hair coloring gel tube (5), a hair brush (10), and a brush tube (12), wherein a rotating shaft (8) is mounted in the brush tube (12), and is connected to a shaft of the motor (1), which is mounted on the back end of the brush tube (12), at one end thereof, further, the body of the brush tube (12) is shaped as a handle, and a switch (2) and a speed control button (3) are arranged on the body of the brush tube (12); the hair coloring gel tube (5) is provided on the upper side of the brush tube (12), and a gel leak plate (7) is disposed in the joint between the hair coloring gel tube (5) and the brush tube (12). The gel leak plate (7) is shaped in the form of arch, and has a plurality of holes on it. The brushing teeth (9) on the shaft (8) are in a radiant form, and have a hair brush (10) on it, which is directly mounted on the shaft (8). And a row of comb teeth (13) are provided in the lower side of the brush tube (12).

The present utility model has the following advantages and effects:

1. The present multifunctional power driven hair coloring comb has a hair coloring gel tube itself, and distributes the hair coloring gel automatically by means of power, so it may obviate the problem of inconvenience of manual operation and dirty leak pollution.
2. The present multifunctional power driven hair coloring comb has a more reasonable mechanism which can prevent from mixing with other gels such as mousse, so it is convenient to use.

BRIEF ILLUSTRATION OF DRAWINGS

Figure 1 shows an overall view of the structure of the first embodiment of the utility model.

Figure 2 shows a partial exploded view of the first embodiment.

Figure 3 shows a structural view of the gel leak plate.

Figure 4 shows a view of the rotating shaft and the brush teeth.

Figure 5a and 5b show a structural view of the rotating shaft and the brush of the second embodiment.

Figure 6 shows a structural view of the third embodiment.

PREFERRED EMBODIMENTS

The description will be made in connection with the drawings and the embodiments.

The first Embodiment is shown in Figures 1 and 2, it can be seen from the view that, a multifunctional power driven hair coloring comb of the present utility model comprises a motor 1, a hair coloring gel tube 5, a hair brush 10, and a brush tube 12. A rotating shaft 8 is mounted in its brush tube 12, brush teeth 9 are provided on the shaft 8, and a hair brush 10 is installed on the brush teeth 9. The rotating shaft 8 is connected to a shaft of the motor 1, which is mounted on the back end of the brush tube 12, at one end thereof, the body of the brush tube 12 is shaped as a handle and has a switch 2 and a speed control button 3 arranged on it. Moreover, it is connected to an electrical wire 4 and a step-down transformer 11 on its back end, and is connected to the power supply by means of latches. The

hair coloring gel tube 5 is provided on the upper side of the brush tube 12, an gel inlet 6 is provided on the hair coloring gel tube 5, and an gel leak plate 7 is disposed in a joint between the hair coloring gel tube 5 and the brush tube 12.

Figure 3 shows a view of the configuration of the gel leak plate 7. The gel leak plate 7 is a metal sheet shaped in the form of arch, and has a plurality of holes on it.

Figure 4 shows a structural view of the rotating shaft 8 and the brush teeth 9 on it. It can be seen from the end portion of the brushing teeth 9 that, the brushing teeth 9 on the shaft 8 are in a radiant form, and are distributed in the entire length of the shaft, wherein the radiating brushing teeth 9 are not shown in its entire length for the brief purpose. Hair brushes 10 are provided on each of the brushing teeth 9.

The second embodiment is shown in Fig. 5a, 5b, the second embodiment differs from the first embodiment in that, the hair brush 10 is directly mounted on the shaft 8, and the brushing teeth 9 are not provided on the shaft 8. In other aspects, the second embodiment is configured as the first embodiment.

The third embodiment differs from the first embodiment in that, a row of comb teeth 13 are provided in the lower side of the brush tube 12, and the comb teeth shown as a solid line and a dash-dot-dot in the figure are all actual comb teeth. In other aspects, the second embodiment is configured as the first embodiment.

CLAIMS

1. A multifunctional power driven hair coloring comb, comprising a motor (1), a hair coloring gel tube (5), a hair brush (10), and a brush tube (12), it is characterized in that, a rotating shaft (8) is mounted within the brush tube (12), and is connected to a shaft of the motor (1), which is mounted on the back end of the brush tube (12), at one end thereof; the body of the brush tube (12) is shaped as a handle, and has a switch (2) and a speed control button (3) arranged on it; the hair coloring gel tube (5) is provided on the upper side of the brush tube (12); and a gel leak plate (7) is disposed in a joint between the hair coloring gel tube (5) and the brush tube (12).
2. The hair coloring comb as claimed in claim 1, it is characterized in that, the gel leak plate (7) is shaped in an arch form, and has a plurality of holes.
3. The hair coloring comb as claimed in claim 1, it is characterized in that, the brushing teeth (9) on the shaft (8) are in a radiant form, and a hair brush (10) is provided on the brushing teeth (9).
4. The hair coloring comb as claimed in claim 1, it is characterized in that, the hair brush (10) is directly mounted on the shaft (8).
5. The hair coloring comb as claimed in claim 1, it is characterized in that, a row of comb teeth (13) are provided in the lower side of the brush tube (12).

ABSTRACT

A multifunctional power driven hair coloring comb, composing a motor (1), a hair coloring gel tube (5), a hair brush (10), and a brush tube (12). A rotating shaft (8) is mounted within the brush tube (12), and is connected to a shaft of the motor (1), which is mounted on the back end of the brush tube (12), at one end thereof, and a gel leak plate (7) is disposed in a joint between the hair coloring gel tube (5) and the brush tube (12). Since this hair coloring comb has a device for storing a hair coloring gel, the brush is derived by a motor and the hair coloring gel can be fed out automatically so as to color the hair, the hair coloring comb according to this utility model obviates the problem of the inconvenience of manual operation and dirty leak pollution. Advantageously, the hair coloring comb according to this utility model has a reasonable and perfect structure and is convenient for use.